IN RE: NON-BINDING ARBITRATION PURSUANT TO THE FINAL SETTLEMENT STIPULATION, KANSAS V. NEBRASKA AND COLORADO

No. 126 Original, U.S. Supreme Court

DEPOSITION OF JAMES PRITCHETT

Monday, March 2, 2009 2:11 p.m.

PURSUANT Agreement and the Federal Rules of Civil Procedure, the above-mentioned deposition was taken by the State of Nebraska at 1525 Sherman Street, 3rd Floor, Denver, Colorado before Carol Patterson, Professional Merit Reporter and Notary Public.

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Page 4 PROCEEDINGS 1 JAMES PRITCHETT, 2 having been first duly sworn, was examined and 3 testified as follows: 4 EXAMINATION 5 BY MR. DRAPER: Good afternoon, Dr. Pritchett. 7 Α Afternoon. 8 Would you state your name for the record, please. 10 James Gregory Pritchett. Α 11 And what is your professional position 12 and address? 13 Α I'm an associate professor in the 14 Department of Agricultural and Resource Economics at 15 Colorado State University. That's in Fort Collins, 16 Colorado. 17 And I understand from your counsel that 18 this may be the first deposition that you have given; 19 is that right? 20 Yes, it is. 21 Α Well, if the depositions we have been 22 taking in this case so far are any guide, this should 23 go very smoothly for you. I will be asking you a 24 series of questions; and if you don't understand any 25

- 1 question, please ask me to clarify it. Sometimes
- 2 these questions have compound parts and so you need
- 3 to let me finish speaking so that you are sure you
- 4 understand my question.
- If you need to take a break at any time,
- 6 just let me know and we will be glad to do that.
- 7 I'm asking these questions over the
- 8 telephone today. You have a number of people there
- 9 in person, including Sam Speed, one of our attorneys
- 10 from Kansas, and he will provide you documents, to
- 11 the extent we need them, as we go through the
- 12 questions.
- 13 My thought is that, unless you would
- 14 like to take a break earlier, after half an hour, 45
- 15 minutes, we might -- or an hour, somewhere in there
- 16 that seems appropriate, we will take a break and that
- 17 will be a 10- or 15-minute break, for you to relax,
- 18 speak with your counsel, as far as I'm concerned.
- 19 And we will, if it's all right with everybody, we
- 20 might use this line to have a private discussion
- 21 among the Kansas representatives.
- MR. AMPE: That would be perfectly
- 23 appropriate, John.
- Q (BY MR. DRAPER) All right. Well, with
- 25 that, Doctor, do you have any particular questions

- 1 about this process that we might address right away,
- 2 just so that we are sure that you are as comfortable
- 3 as possible as we get into this.
- A No, I don't have any questions.
- 5 Q We are doing this, I note for the
- 6 record, under agreement by counsel that we would take
- 7 your deposition today.
- 8 And I would like to ask Mr. Speed to
- 9 provide you, if you don't already have one with you
- 10 there, a copy of your curriculum vitae, a three-page
- 11 document that we received from counsel, Mr. Ampe.
- 12 And I would ask that this be marked, as
- 13 far as the number, shall we mark Exhibit No. 1?
- 14 THE COURT REPORTER: Yes.
- 15 (Deposition Exhibit 1 was marked.)
- 16 Q (BY MR. DRAPER) This will be Exhibit
- 17 No. 1 for your deposition. If you have a copy
- 18 there, Doctor, will you confirm that, please.
- 19 A Yes, I do.
- 20 Q And this indicates you are currently an
- 21 associate professor at the Colorado State University,
- 22 as you stated earlier. This appears to be a position
- 23 that you have held since July of 2007; is that right?
- 24 A That's right.
- 25 Q You received your Ph.D. from the

Page 7 1 University of Minnesota; is that right? Α That is correct. 2 That was in 1999? 3 Q Yes. Α 4 Did you do a dissertation in connection 5 0 with that? 6 Yes, I did. 7 Α 8 What was the subject of your dissertation? 9 I dealt with the evolution of the hog 10 industry in the United States and the extent to which 11 backward integration would affect open market prices 12 for live hogs. 13 Offhand, at least to me, it doesn't 14 sound like that has any direct implication to any 15 issues that are presented to you in this case; is 16 that correct? 17 That's correct. 18 Ά However, I understood you have been 19 0 involved since receiving your Ph.D. in a good bit of 20 21 work that may have some relevance to the issues in this case, would you agree? 22 That's correct. 23 A Would you describe that experience since 24 you received your Ph.D. that you believe is relevant 25

- 1 to the issues in this proceeding.
- 2 A Yes. I entered the Department of Ag and
- 3 Resource Economics at Colorado State University in
- 4 2001. Soon thereafter, I became involved in
- 5 assessing the economic contribution that irrigated
- 6 agriculture makes to the South Platte River Basin as
- 7 a result of some ongoing institutional discussions.
- 8 That came to the notice of the area
- 9 extension educator in Akron, Colorado, which overlies
- 10 the Republican River Basin. The Republican River
- 11 Conservation District had recently been formed and
- 12 they were interested in learning more about the
- 13 economic activity of irrigated acres in that area.
- 14 So I performed some analysis related to that and made
- 15 reports to the board and provided them with
- 16 documents.
- 17 The water area continued to be one of
- 18 requests from stakeholders in Colorado. So I also
- 19 had the opportunity to work research and extension
- 20 and outreach in the area of limited irrigation, so
- 21 how farm profitability is impacted by reduced water
- 22 supplies and also assessing the economic contribution
- 23 of irrigated agricultural to river basins in
- 24 Colorado.
- 25 Q Did the work that you have just

Page 9 described result in any publications? 1 Technical documents through the Colorado 2 Water Resources Research Institute, primarily. Also 3 Extension Fact Sheets. 4 And are those publications, those 5 technical documents, are they available on, for 6 instance, websites of the supporting institutions? 7 Α Yes. 8 Would you state where those are located, 0 9 then. 10 Certainly. At the Colorado Water 11 Resources Research Institute, which has been renamed 12 to Colorado Water Institute website. And I can't 13 recall URL exactly, but I believe it's 14 www.cwi.colostate.edu. They would fall both under 15 the heading of Completion Reports and Special 16 Reports. 17 And that would cover both of the 18 activities that you just mentioned? 19 I don't recall for certain, but I 20

- nublication of any other documents since you h
- 23 publication of any other documents since you have
- 24 been at Colorado State University?

believe that to be correct.

25 A Yes, I have.

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And have you been involved in the

- 1 Q What are those?
- 2 A Documents related to the consumer
- 3 response to food-borne -- or food-safety scares,
- 4 would be an example. There are other articles that I
- 5 have been involved in, including a survey of Colorado
- 6 farmers related to water leasing markets and other
- 7 documents, as well.
- Q Are there any that relate particularly
- 9 to the use of irrigation water?
- 10 A I can't recall for certain. The
- 11 emphasis of my work would be in those technical
- 12 documents that we have mentioned previously.
- 13 Q I would like to ask Mr. Speed to provide
- 14 you with copies of a document entitled "Colorado Crop
- 15 Water Allocation."
- And, Carol, if we could mark that as the
- 17 next exhibit, please. That will be Exhibit No. 2.
- 18 (Deposition Exhibit 2 was marked.)
- 19 Q (BY MR. DRAPER) Doctor, do you have a
- 20 copy of that document?
- 21 A I do.
- 22 Q Could you describe that, what the
- 23 purpose of this document is, the context in which you
- 24 prepared it and what your involvement was.
- 25 A The document is part of an ongoing

- 1 research and extension area that I am involved in
- 2 having to do with helping farmers make decisions
- 3 about how to allocate scarce water resources. In
- 4 particular, the research assistant and I were
- 5 interested in developing an Xcel spreadsheet that
- 6 would assist producers in sorting out different
- 7 alternatives that they may have.
- 8 Embedded in the spreadsheet are
- 9 essentially net profit calculations, a very -- it's a
- 10 -- just that: an Xcel spreadsheet. The document
- 11 describes a little bit about that spreadsheet; but
- 12 probably, more importantly, discusses how a farm's
- 13 profits or its economic profitability might change as
- 14 a result of having scarce water resources.
- Q When did you put this together?
- 16 A You know, I'm not certain, but I believe
- 17 this was put together about this time last year for
- 18 the Central Plains Irrigation Conference, which was
- 19 held in Greeley, Colorado.
- 20 Q And is the spreadsheet that you refer
- 21 to, is that available on the web or otherwise?
- 22 A It is available. It has been updated
- 23 since this document came out. It's available at the
- 24 Internet address listed on the second paragraph of
- 25 page 153.

- 1 Q Page 153, does that just indicate that
- 2 it's part of a larger volume?
- 3 A That's correct. I believe this is from
- 4 the Proceedings, although the full document isn't in
- 5 front of me.
- 6 Q Do the principles that -- let me just
- 7 clarify first.
- 8 You have a coauthor Luke Brummel, it
- 9 appears. How did -- how much of this is your work
- 10 and how much of is Mr. Brummel's?
- 11 A Mr. Brummel is a research assistant
- 12 getting his master's degree the Colorado State
- 13 University. He would have assembled and designed the
- 14 spreadsheet under my supervision. We would
- 15 collaborate on its eventual look and feel and on the
- 16 document itself.
- 17 Q I see. So he is -- at least at that
- 18 time, he was a graduate student of yours?
- 19 A Yes.
- Q And also a research assistant?
- 21 A Yes.
- 22 Q Given the typical nature of those
- 23 relationships, this is something that reflects your
- 24 views as to how these issues ought to be treated.
- 25 Would that be a fair statement?

- 1 A Yes.
- Q And does this -- do the principles that
- 3 are in this -- mentioned in this document, do they
- 4 have any application to the issues that we are
- 5 dealing with, or that you are dealing with in your
- 6 work in this interstate arbitration?
- 7 A If you could clarify. I don't
- 8 understand what you mean by "principles," I guess,
- 9 underlying that. Would they be related to
- 10 profitability? Would they be related to crop water
- 11 response function? Would they be related to regional
- 12 economic impacts? All of those seem to be at issue
- 13 in this case.
- 14 Q Right. So it sounds like you are saying
- 15 that there are a number of principles that came into
- 16 play in this Colorado Crop Water Allocation Tool that
- 17 are also used, or relevant to your analysis in the --
- in the work you are doing in this interstate
- 19 arbitration?
- 20 A I think it would be clear to say that
- 21 they come from the same body of knowledge; but to the
- 22 extent that it represents analysis that I have
- 23 performed in this arbitration, I wouldn't say that
- 24 they are necessarily the same.
- Q Well, that's helpful.

- In terms of the same body of knowledge,
- 2 what are you thinking of when you say that there is
- 3 some commonality, if I may use that word, between
- 4 principles you applied in this water allocation tool
- 5 and the work that you are doing in -- in this case?
- 6 A I think that some of the commonality
- 7 would include that yields and the amount of water
- 8 that is applied are related to one another.
- 9 I believe that the inputs that are used
- in order to produce crop may be adjusted to reflect
- 11 what those yields are; that both of those influence
- 12 profitability overall. And in this context, the crop
- 13 decision tool is about choosing crops based on
- 14 profitability. And certainly, that could be an issue
- or a body of knowledge that is addressed in this
- 16 arbitration.
- 17 Q Just looking at Exhibit No. 1 again, it
- 18 appears you have been doing some work in water
- 19 resource management in Afghanistan. Is that in
- 20 recent years?
- 21 A Actually, that is. That is recently --
- 22 a project that recently began.
- 23 Q Well, that sounds very interesting.
- 24 Could you say just a few words about
- 25 that for us.

- 1 A Certainly. Colorado State University is
- 2 part of a larger consortium that includes other
- 3 universities working on an USAID project in
- 4 Afghanistan to help build capacity that would be sort
- 5 of the institutional and human resources for
- 6 revitalizing irrigated agriculture there.
- 7 In some areas, there is a lack of
- 8 infrastructure. In other areas, there is a lack of
- 9 knowledge. There is also a lack of water resources
- 10 so some of our limited irrigation techniques apply to
- 11 the Afghanistan project.
- 12 Q Well, that sounds challenging.
- Does that mean you have to go over
- 14 there?
- 15 A I do.
- 16 Q Well, good luck.
- 17 A We are taking volunteers.
- 18 Q I'm sure we all appreciate your work
- 19 over there.
- 20 Looking at the third page of Exhibit No.
- 21 1, which is your CV, first item under "Recent
- 22 Relevant Research" is entitled "Economic Impacts of
- 23 Reduced Acres: Example of the Republican River
- 24 Basin."
- What is that publication?

- 1 A This was -- the publication itself is
- 2 the Colorado Water Newsletter, which the Colorado
- 3 Water Resources Institute publishes on a regular
- 4 basis. It summarizes an investigation we made of the
- 5 potential retirement of wells in the Republican River
- 6 Basin of Colorado and discussed what those economic
- 7 impacts were likely to be.
- 8 Q Is a copy of that available on the
- 9 website of the Water Resources Research Institute?
- 10 A I'm not certain, but that would be --
- 11 that would be likely.
- 12 Q Can you say a few words about what that
- 13 project involves, the one that you just mentioned.
- 14 A The project was interested in examining
- 15 the economic activity generated by irrigated acres in
- 16 the Republican River Basin, with the idea that some
- 17 of those acres might be retired as part of a
- 18 conservation reserve enhancement program.
- 19 It examined what would be the likely
- 20 economic impact of the retirement of those acres,
- 21 using standard regional economical analysis
- 22 techniques.
- The purpose of the document was to
- 24 better inform stakeholders in that area of the
- 25 importance of irrigated agriculture and to help them

- 1 make decisions.
- 2 Q Did you prepare a technical report other
- 3 than what appears in the publication Colorado Water?
- 4 A I don't believe there was another
- 5 technical report that was specific to the Republican
- 6 River Basin.
- 7 Q I'm just thinking of this particular
- 8 project. It sounds as if this is, perhaps, a summary
- 9 that appeared in the newsletter and that there was,
- 10 perhaps, an underlying technical report I would need
- 11 to check.
- 12 A I would need to check again, but I don't
- 13 believe there is an underlying technical report
- 14 associated with it.
- We had a larger research effort taking
- 16 place that was part of the 2006 article, which is
- 17 above the "Economic Impact Analysis of Irrigated
- 18 Acreage in Four River Basins in Colorado, " and we --
- 19 it was a similar research effort. So probably
- 20 subsumed in that.
- 21 Q The 2006 project, the title mentioned
- 22 four river basins. Is one of those the Republican?
- 23 A Yes, that's correct. That's one of
- 24 those four basins.
- 25 Q And this technical analysis that may

- 1 have been summarized in 2005 respecting the
- 2 Republican River Basin, if it exists, would be in the
- 3 report that is mentioned here, "Colorado Water
- 4 Resources Research Institute Completion Report No.
- 5 207"?
- 6 A It was a similar research thrust, but
- 7 you would not find the exacted same details within
- 8 that report. It consisted of an evolution of the
- 9 work that we had done, so they would not be exactly
- 10 the same.
- 11 Q Would it be possible to provide us with
- 12 a copy of the Completion Report No. 207?
- 13 A Yes.
- 14 Q Thank you very much.
- 15 MR. DRAPER: Pete, if you could help us
- 16 with that, that would be very kind of you.
- 17 MR. AMPE: Absolutely.
- 18 Q (BY MR. BLANKENAU) Doctor, in your
- 19 analysis of the Republican Basin that appears in the
- 20 2005/2006 research projects that we have just been
- 21 discussing, did that analysis have anything in
- 22 common with the work you are presently doing for the
- 23 -- for this particular interstate arbitration today?
- 24 A Yes.
- Q Could you describe the issues that you

- 1 feel are common?
- A Mr. Ampe had me review a report that had
- 3 come as part of the arbitration from the State of
- 4 Kansas.
- 5 In that report there is a mention and
- 6 analysis of regional economic impacts. The impacts
- 7 are described as being both direct and indirect
- 8 activity. The direct and indirect activity is
- 9 something that is discussed within that completion
- 10 report and is part of the analysis that we performed.
- 11 Q Any other issues in common?
- 12 A I think those would be the primary
- 13 issues in common. I can't think of any at this time,
- 14 but I would need to review the report.
- 15 Q Did you determine lost profits, for
- 16 instance, of direct impacts?
- 17 A We did measure direct impacts, but not
- 18 necessarily as lost profits, as is in the Kansas
- 19 report.
- 20 Instead, we quantified what the direct
- 21 sales would be coming from irrigated acres in the
- 22 Republican River Basin and what the value of the
- 23 inputs used, trying to understand how -- how a -- how
- 24 revenues were distributed among different inputs.
- So in that sense, it's not really

- 1 profits that we are talking about, but instead,
- 2 economic activity. And that would have been the
- 3 focus of the analysis.
- 4 Q Did you analyze the value of the
- 5 economic activity in Colorado in the Republican River
- 6 Basin that would be affected by retirement of water
- 7 rights?
- 8 A It would be more specific to say that we
- 9 valued the economic activity generated by irrigated
- 10 agriculture because it would be hard to forecast what
- 11 the economic impacts would be precisely from our
- 12 analysis.
- 13 Q You looked back to recent periods to
- 14 determine what the value of economic activity
- 15 associated with the acreage that might be retired in
- 16 the future had been?
- 17 A That's correct.
- 18 Q Do you recall how many -- how many acres
- 19 were involved in your analysis of irrigation that
- 20 would be retired?
- 21 A I don't recall for certain. It would
- 22 have been in the area of 30,000 acres.
- 23 Q And in addition to direct impacts, did
- 24 you also find that there were indirect impacts as a
- 25 result of cessation of irrigated agriculture?

- 1 A I think it would be correct to say we
- 2 found there was indirect activity generated by
- 3 irrigated agriculture; but again, it would be hard
- 4 for us to forecast the impacts.
- 5 Q Did you quantify the past indirect
- 6 activity?
- 7 A Yes.
- 8 Q Doctor, what courses do you teach at the
- 9 undergraduate level?
- 10 A In my time at Colorado State University,
- 11 I have taught orientation to agricultural systems,
- 12 enterprise analysis; agribusiness management, a
- 13 Capstone course; agricultural finance at both a 300
- 14 and 400 level. I have also had the chance to teach
- 15 at Purdue University the Gray marketing class and the
- 16 agricultural marketing class. And I taught
- 17 agricultural marketing at Colorado State University
- 18 as well.
- 19 Q Do you also teach graduate courses?
- 20 A I do teach graduate courses, on
- 21 occasion.
- 22 Q And what courses have you taught at the
- 23 graduate level?
- 24 A The agricultural product marketing
- 25 course at Colorado State University; a similar course

- 1 at Purdue university; and world economics for
- 2 business, which is part of the MBA program at
- 3 Colorado State University.
- 4 Q Have you ever testified before as an
- 5 expert witness?
- A I had one occasion to appear before the
- 7 state legislature as an expert witness to comment on
- 8 a piece of legislation. That's the only other time.
- 9 Q And what was the subject of your
- 10 testimony there?
- 11 A At that time, there was a bill that was
- 12 being heard by the House Agricultural Committee that
- 13 sought to provide compensation for basins whose water
- 14 resources had been shifted to another basin.
- 15 Q When did you give that testimony?
- 16 A I'm not certain that I recall, but I
- 17 believe it was in 2003. And it would have been
- 18 during the legislative session, so perhaps
- 19 February/March of 2003.
- 20 O I would like to turn our attention now
- 21 to your report in this case. I will identify it for
- 22 the record. "Reviewing the Assumptions, Methods and
- 23 Results of: Economic impacts of Kansas Diminished
- 24 Surface Water Supplies to the Lower Republican River
- 25 Basin Caused by Nebraska in 2005 and 2006," by

Page 23 Dr. James Pritchett, dated 16 February, 2008. 1 Do you recognize that identification, 2 Doctor? 3 I do. 4 Α Do you happen to have a copy of that 0 there? 6 Α I do. 7 Did anyone else work with you or assist 8 you in preparing this report? 9 10 Α No. This is my work alone. And what was the -- what was your 11 overall purpose in preparing this report? 12 Mr. Ampe had asked me to review the Α 13 economic analysis that had been performed as a result 14 of this arbitration to better understand how the 15 damages were calculated, to review the steps and 16 stages and methods that were used and to gain a 17 better understanding of those. 18 And what did you do in terms of your 19 preparation to perform this work and the 20 investigation you did in preparing to write -- write 21 this report? 22 Ά I reviewed documents that Mr. Ampe had 23 provided me in order to better understand the 24

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situation.

I read the report that had been provided

- 1 to me, in particular, about the economic impact
- 2 assessments. I examined references that were cited
- 3 within that text and then I began to perform similar
- 4 calculations of my own to examine what exactly the
- 5 data had come from that was used in the report and to
- 6 understand the methods that were used in the report.
- 7 Q The documents that you reviewed for
- 8 purposes of your analysis were the economic report by
- 9 the Kansas experts and the references that were
- 10 designated in that Kansas economic report?
- 11 A That's correct.
- 12 Q Did you review any other documents?
- 13 A I would have accessed documentation that
- 14 appeared on the Internet that would have been related
- 15 to, as an example, the Kansas Farm Management
- 16 Association's costs over -- historical costs over
- 17 some time.
- 18 I'm not certain of other documents I may
- 19 have looked at; but certainly, I scanned other
- 20 documents that might be available.
- 21 Q Primarily, are these the type of
- 22 documents that you could access on the Internet?
- 23 A That's correct.
- Q Did you go out to the area in question,
- 25 the Republican River Basin, in the lower part of the

Page 25 basin there in Kansas? 1 No, I did not. 2 Α Q Have you ever been in the Kansas 3 Bostwick Irrigation District? 4 Α No, I have not. 5 Would you state your general conclusions 0 6 7 -- we will have plenty of opportunity to go into detail, but just to begin with, what were your 8 general conclusions by the Kansas economic experts? 9 The Kansas reports specifies two types 10 of damages that were assessed. One type would be 11 forgone farm profits. The other type would be a 12 regional economic impact nature. 13 The forgone profits were calculated -- I 14 think it would be useful to say that there is a 15 variety of information used in order to calculate 16 those profits, which includes prices and yields and 17 To the extent that I could review the prices 18 and the yields and the costs, I did. To the extent 19 that I couldn't, I supplemented some of my own 20 21 information. What I found were, were that prices 22 seemed to be representative, but not exactly the 23 same, and it was difficult for me to verify how the 24 Kansas report determined its prices.

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- 1 Yields were derived using a modeling
- 2 procedure, a crop water response model, as well as an
- 3 economic model; but the yields, in particular
- 4 themselves, seem to be large, relative to what
- 5 national agricultural statistics would be and also
- 6 trends yields. And in particular, the model
- 7 predicted yields seem to have been increased to
- 8 represent yields that were reported within the KBID
- 9 district report.
- 10 Using an alternative assessment of
- 11 yields that were based on National Agricultural
- 12 Statistic Service and National Agricultural
- 13 Statistics Service prices and costs that were
- 14 reported in the Farm Management Association, I found
- that forgone profits might be something less than
- 16 what was reported in the Kansas report.
- 17 In terms of the regional economic
- 18 impact analysis, I was unable to verify the economic
- 19 assumptions and methods within the social accounting
- 20 matrix that was used in the assessments, but it did
- 21 list both direct and indirect impacts that seemed
- 22 reasonable, given what I had researched in the past.
- 23 Q Thank you.
- 24 And did you find that the approach based
- on modeling of yields was an appropriate way to

- 1 analyze the question of what the losses to Kansas
- were as a result of shortfalls in the delivery of
- 3 water?
- 4 A I'm unable to directly examine the model
- 5 that was used in the Kansas report, the IPYsim model.
- 6 I was able to review some of the documentation that
- 7 is related to it, including the Stone article. It
- 8 would seem that the relationship between decreased
- 9 yields and decreased applied irrigation water would
- 10 be true.
- 11 It is the -- so the crop water response
- 12 I find to be -- the general principle to be
- 13 appropriate; but the manner in which yields were
- 14 increased to reflect a higher yield, particularly in
- 15 2005, I'm not sure that I find that appropriate.
- 16 Q Is it correct, then, to say that from
- 17 your point of view, the approach using yield model
- 18 and farm budget was appropriate, in your view,
- 19 although you would differ with some of the values
- 20 that were used by the Kansas experts?
- 21 A I think it's appropriate to use a crop
- 22 water model to reflect reduced yields to describe a
- 23 farm's lost profits as a result of less delivered
- 24 irrigation water.
- Q And is it appropriate, in your view, to

- 1 make these determinations of changes in profit on a
- 2 farm level and then aggregate those for the
- 3 particular area that is relevant to this analysis?
- 4 A I think there are challenges in
- 5 aggregating from the farm level to a regional level
- 6 and many of those challenges have to be studied to
- 7 determine how representative that is.
- Q Did you find any problems with the way
- 9 the Kansas experts have done it?
- 10 A I haven't reported any challenges within
- 11 my report that would suggest that they weren't
- 12 examined. That would be something that -- that I did
- 13 not consider deeply and would need the opportunity to
- 14 go back and revisit.
- 15 Q Is it more appropriate, in your view, to
- 16 analyze these issues from a regional standpoint and
- 17 not begin at the farm level?
- 18 A Not always.
- 19 Q Is it correct to say that the general
- 20 approach of starting at the farm level and then
- 21 aggregating to the larger area can be appropriate if
- 22 it's done correctly?
- 23 A Yes.
- MR. DRAPER: Well, I think we have made
- 25 a good start. Why don't we take a break. It's just

- 1 about 3:00, and I would suggest that we take a
- 2 15-minute break and reconvene at 3:15.
- 3 MR. AMPE: That would be fine. We
- 4 will -- Colorado and Nebraska will vacate the room so
- 5 you guys can have the room to yourselves to discuss
- 6 as necessary.
- 7 (Break was taken.)
- 8 O (BY MR. DRAPER) Dr. Pritchett, how are
- 9 you doing at point in your first deposition?
- 10 A I'm doing well, thank you.
- 11 Q Well, again, let us know if there is
- 12 anything that we can do to help that situation; if it
- 13 should come up, be glad to take a break if necessary.
- 14 My present intention is that we will go for another,
- 15 perhaps similar period, take another break and then
- 16 -- and then reconvene for a final wrap-up.
- 17 Just to return to a couple of questions.
- 18 I want to mention for the record that we
- 19 have -- I have requested of Mr. Ampe the documents
- 20 and analysis of yours that underlie your expert
- 21 report in this case. And he indicated that although
- 22 he was not able to provide them today, he would do so
- 23 soon as practicable. And I just wanted to confirm
- that with you, Pete, and also with you, Doctor.
- MR. AMPE: Yes, that's correct, John.

- 1 For the record, I didn't actually check my email
- 2 until Saturday afternoon, but I was able to get in
- 3 touch with Dr. Pritchett and he took a little time
- 4 away from his family to talk to me about documents
- 5 and we will get them to you as soon as we can.
- 6 MR. DRAPER: Okay, I appreciate that
- 7 very much.
- 8 Q (BY MR. DRAPER) On the issue of your
- 9 testimony before the Colorado Legislature, that was
- 10 on House Bill 03-1113. Does that sound correct?
- 11 A That's correct.
- 12 Q And I understand that your comments,
- 13 along with those of your co-proposers, appeared in
- 14 the August 2003 Agricultural and Resource Policy
- 15 Report No. 8 of Colorado State University.
- 16 Does that sound correct?
- 17 A That's correct.
- 18 Q Doctor, do you ever perform the function
- of a peer-reviewer for academic journals?
- 20 A I do.
- 21 Q Could you describe that activity in the
- 22 particular journals that you have -- either in the
- past or presently, have acted as a peer-reviewer for.
- 24 A Certainly. The process is to -- an
- 25 editor will contact me with a manuscript that needs

- 1 to be reviewed. I will evaluate if the document is
- 2 suitable for publication, if it could be published
- 3 with revisions or if it's not suitable to be
- 4 published. I will write up those comments to the
- 5 authors and to the editor and then provide that
- 6 review back to the -- back to the editor for their
- 7 evaluation.
- 8 I don't know that I could give a
- 9 comprehensive list of all of the journals that I have
- 10 reviewed for, but they would arrange from American
- 11 Journal of Agricultural Economics to the Canadian
- 12 Journal of Agricultural Economics to the Journal of
- 13 Agricultural and Resource Economics and others.
- 14 Q If you gathered up all of those, would
- that be 5 or 10 or 15, what would you estimate?
- 16 A Do you mean the number of journals or
- 17 the number of reviews that I have performed?
- 18 Q The number of different journals.
- 19 A It would be difficult for me to say for
- 20 certain, but I'm certain that it would be -- did I
- 21 just say it was difficult to be certain, but I'm
- 22 certain?
- 23 It's more than five, probably more than
- 24 ten.
- 25 Q Doctor, we also talked a little bit

- 1 earlier about the use of crop production functions
- and farm budgets to analyze the economic impacts of
- 3 reduced water for irrigation.
- 4 When you are talking about the
- reductions in water, as opposed to the total absence
- 6 of water, is there any other approach that is
- 7 preferable than using that combination of production
- 8 functions and farm budgets to determine the forgone
- 9 profits?
- 10 A I'm not sure that is something that I
- 11 can answer comprehensively. I would need to review
- 12 literature in order to make a determination. I would
- 13 say that I think that that is the technique that I
- 14 have used.
- Q Obviously, you think it's a good
- 16 technique for that kind of an issue?
- 17 A That technique has been useful in the
- 18 analysis that I have done.
- 19 Q One more question on your testimony at
- 20 the Colorado Legislature. Do you know if that bill
- 21 passed that you testified on?
- 22 A It failed. It had made it through the
- 23 Huose Ag Committee, but then failed upon second
- 24 reading in the legislature.
- 25 Q And it hasn't been reintroduced since

Page 33 that time? 1 I'm not aware. I wouldn't be able to 2 3 comment on that. To the extent of your knowledge, it 4 hasn't been reintroduced? 5 Again, yeah, to extent of my knowledge, I'm not aware of that. 7 Let's turn to your report, the one that 0 I identified earlier starts out and entitled 9 "Reviewing the assumptions, Methods and Results of:" 10 and then names the Kansas report. 11 Do you have your copy handy there? 12 I do. Α 13 Turning over to page 3, looking at the 14 bottom -- I might just check now to see if our copies 15 print out the same way. 16 Does the bottom of page 3 have, the last 17 line saying "prices, I am adopting" --18 Yes. 19 Α That's the way that last line starts? 20 Q Yes. 21 Α Is that a yes? 22 Α Yes. 23 Okay, great. 24 0 Okay, it sounds like our page references 25

- 1 then can be consistent if we do that.
- 2 And I would like to direct your
- 3 attention to the bottom of page 3. Really at that
- 4 spot, you indicate that you adopted an alternative
- 5 source of prices that differs from the Kansas
- 6 experts. They were using KBID prices, whereas you
- 7 decided to use the National Agricultural Statistic
- 8 Service, or NASS, prices for your purposes; is that
- 9 right.
- 10 A The prices that I observed in the -- in
- 11 the economic impact analysis, I imputed from the
- 12 annual report which listed a total value of
- 13 production in a number of bushels or tons, depending
- on what the case may be, and I was able to impute
- 15 what those prices were. So I assume that they came
- 16 from that report.
- 17 The prices that I used in the
- 18 alternative were to either look at the National Ag
- 19 Statistical Services reported price, or the Farm
- 20 Service Agency loan rate for that area, whichever was
- 21 larger.
- Q Could you take a second and explain to
- 23 me why you had that alternative of FSA loan rate.
- 24 A I think if we were interested in the
- 25 forgone profits from farms, we would like to be able

- 1 to proxy the price that would have been received for
- 2 the crop. The price may be a cash price that they
- 3 received for the crop or, in the case when cash
- 4 prices are below a government rate, the FSA loan
- 5 rate, farmers have the opportunity to receive that
- 6 price because an additional payment is made to those
- 7 farmers based on the actual production that they
- 8 have.
- 9 Q Okay. So, in other words -- I am
- 10 probably not using the term correctly, but like a
- 11 farm support where they will make up the difference
- if it's below a certain specified price loan?
- 13 A That's correct.
- 14 Q And why did you choose the NASS prices
- instead or the FAS loan rate, rather than the actual
- 16 Kansas Bostwick Irrigation District, I will say that
- 17 full name. We are probably going to use that term
- 18 and the short version as KBID bid or K-B-I-D, for the
- 19 court reporter's benefit.
- 20 Why did you use the NASS prices or FSA
- loan rate, as opposed to the K-B-I-D or KBID prices?
- 22 A I was unable to verify how the KBID
- 23 prices were determined.
- Q Did you say that you imputed them from
- 25 the KBID annual reports?

- 1 A Yes, that's correct.
- Q And did that -- did that match up pretty
- 3 well with the prices that the Kansas experts were
- 4 using?
- 5 A Yes, it did.
- 6 Q It was possible to derive from the KBID
- 7 annual report the KBID actual prices?
- 8 A I don't believe that I could say that.
- 9 The prices that I imputed were taking the value of
- 10 the bushels produced and divide it by the total
- 11 bushels, so I was able to derive a price.
- 12 The value of production, I'm not aware
- 13 of how the KBID annual report collects that value of
- 14 production information. So I -- other than being
- 15 able to read it in that document, I'm not aware of
- 16 how the prices were determined, much less the bushels
- 17 themselves.
- 18 Q I see. So it was clear that the value
- 19 and the number of bushels reported, but as to how the
- 20 value and the bushels respectively were themselves
- 21 determined was not clear?
- 22 A That's correct. And to be truthful, I
- 23 can't say that that is how the Kansas experts derived
- 24 the prices either. That is how I imputed the prices
- 25 from the annual report.

- 1 Q And you -- by doing that, you were able
- 2 to match the prices that they reported?
- 3 A It appeared that they were the same.
- 4 Q What kind of information about the value
- 5 of production did you need in order to make a
- 6 determination whether prices based on that were
- 7 valid?
- 8 A That's a -- I wonder if you might
- 9 clarify that question so that I can better understand
- 10 what you are asking.
- 11 Q Okay, sure.
- 12 You said that there were two problems
- 13 that you had in verifying the Kansas prices. One was
- 14 you didn't know how the value of production figures
- 15 were obtained that appear in the KBID annual report.
- 16 And secondly, you didn't know how the number of
- 17 bushels was determined.
- 18 And I want to take each one of those
- 19 separately and understand what you needed to know
- 20 about those values in order to make a determination
- 21 as to whether the Kansas experts had used them
- 22 appropriately?
- 23 A In order to assess the accuracy of the
- 24 value of the production information, I would like to
- 25 know how the information was collected; how it was

- 1 reported; if it was sampled, how representative the
- 2 sample would be of the entire KBID District. I think
- 3 that I would need to actually prepare a more
- 4 comprehensive list of things that I would need, but
- 5 those are the first things that I can think of.
- 6 Q And would those comments apply both to
- 7 the value of the production information and the
- 8 number of bushels?
- 9 A That's correct.
- 10 Q And so what is provided by the district
- 11 annual report itself, you did not feel that without
- 12 further verification of those matters, that it would
- 13 be possible for you to rely on those figures?
- 14 A Mr. Ampe had asked me to evaluate how
- 15 the economic losses were calculated. Part of that, I
- 16 think, is to evaluate where the data comes from to
- 17 calculate those economic losses. And I could only
- 18 evaluate the data to the extent that it was reported
- 19 in the -- in the KBID annual reports.
- 20 Q So you went instead to the NASS prices.
- 21 With respect to the NASS prices, how was
- 22 the value of production used to develop those prices,
- 23 how was that collected?
- 24 A I'm not certain how they collect that
- 25 information within the state of Kansas.

- 1 Within the state of Colorado, it
- 2 generally involves an individual designated by the
- 3 Statistic Service to collect information about prices
- 4 with local purchasers and verify that information
- 5 with phone calls.
- 6 The Statistic Service, I believe,
- 7 although I'm not an expert in how they acquire
- 8 information, they use a standard sampling technique
- 9 in order to do that, both with their yields and
- 10 prices.
- 11 Q But just to confirm, you don't know how
- 12 the NASS does it in north central Kansas?
- 13 A I do not know that.
- 14 Q Is the same true of the determination of
- 15 the number of bushels that is used to calculate the
- 16 price?
- 17 A I do not know specifically how they do
- 18 that.
- 19 Q Do you know what area -- over what area
- 20 the NASS District prices were applicable, according
- 21 to the NASS?
- 22 A I'm not certain. I would need to check,
- 23 but I believe these are prices from the north central
- 24 district in Kansas.
- Q How many counties does that cover?

- 1 A I'm uncertain how many counties that
- 2 covers. I believe it to be at least three counties.
- 3 Q Does it matter to you, when you are
- 4 doing this kind of analysis, how large an area you
- 5 are covering?
- 6 A Yes.
- 7 Q And why does it matter?
- 8 A If I'm interested -- if a yield or a
- 9 price is representative, I would be curious to find
- 10 out how information is reported and collected so that
- 11 I can determine if that is a representative price.
- 12 Q And did your curiosity lead you to
- 13 investigate with the NASS prices that you used which
- 14 counties those were derived from?
- 15 A I did look up the counties that
- 16 pertained to the north central district and so that
- 17 was the information that I gathered.
- 18 Q And do you recall how many counties that
- 19 covered?
- 20 A I do not recall that at this time.
- 21 O If it were to turn out that the NASS
- 22 prices were developed over a large area, would that
- 23 be -- would it be appropriate to use those in the --
- 24 in the KBID area?
- 25 A I would have to study that more

- 1 comprehensively.
- 2 Q Turning to page 5 of your report, at the
- 3 top of the page you have a paragraph labeled small b
- 4 in parens. Do you see that?
- 5 A Yes, I do.
- 6 Q Could you summarize the points you are
- 7 making in that paragraph?
- 8 A I'm describing the relationship between
- 9 the average bushels per acre reported in the KBID
- 10 reports and the fallowing that took place in 2005;
- 11 that in 2005, the bushels per acre set a record as
- 12 reported in the KBID report and potentially one of
- 13 the reasons why an average yield would increase would
- 14 be that lower -- acres of lower productivity were
- 15 fallowed.
- 16 O Are you aware that large areas were
- 17 fallowed in the KBID area above Lovewell Reservoir
- 18 during these years?
- 19 A That does appear in the annual report, I
- 20 believe, but I would have to check to be certain.
- 21 Q If that happened, do you know why it
- 22 happened?
- 23 A I don't know for certain why farmers
- 24 chose to fallow those fields, but in the report it
- 25 has been suggested that that was due to a reduced

- 1 delivery of irrigation water.
- Q Right. So those acres that are observed
- 3 only above Lovewell Reservoir don't have the
- 4 advantage of Lovewell Reservoir; isn't that right?
- 5 A I'm not an expert in that particular
- 6 area, so I don't know how that water is delivered.
- 7 Q And if the acreage above Lovewell
- 8 Reservoir does not have the advantage of stored water
- 9 from Lovewell to supplement whatever other relief
- 10 might be available from the Republican River upstream
- 11 and those areas were, therefore, fallowed, it
- 12 wouldn't necessarily indicate that they were of lower
- 13 productivity. Would it?
- 14 A Can you repeat the question.
- 15 Q Yes. The fact that there was a good
- 16 deal of fallowing in the KBID surface water irrigated
- 17 acreage above Lovewell would not necessarily mean
- 18 that those acres are less productive than acres below
- 19 Lovewell; wouldn't you agree?
- 20 A I think that fallowing may occur for a
- 21 variety of reasons, which would include not having
- 22 supplemental water, not having direct flow water, a
- 23 choice by the farmers to enter into a conservation
- 24 reserve enhancement program, or for a variety of
- 25 other reasons.

- 1 Q On page 5 of your report and on page 6,
- 2 I guess both pages, you are discussing the views by
- 3 the Kansas experts of the crop production model that
- 4 they call IPYsim; is that right?
- 5 A That's correct.
- 6 Q One of the features that you discussed
- 7 has do with the calibration of that model to the
- 8 local conditions; isn't that right?
- 9 A I think specifically I address how the
- 10 model yield -- yields were increased in order to
- 11 represent -- or reproduce the KBID reported yield.
- 12 Q Do you agree that it's appropriate to
- 13 calibrate a crop production model to local
- 14 conditions, as long as it's done correctly?
- 15 A If it's done correctly, calibration
- 16 would make sense in a variety of applications.
- 17 Q I see on page 6, in the second-to-last
- 18 paragraph, that the last sentence, you say -- well,
- 19 maybe the last two sentences would put it in context.
- 20 You say, "Implicitly, at higher base yield generates
- 21 increasingly larger incremental yields with
- 22 additional water. I believe this to be inaccurate as
- the accepted relationship between applied water and
- 24 crop yield is one of diminishing returns."
- Did you make a determination as to

Page 44 whether the IPYsim model recognizes the diminishing 1 -- the concept of diminishing returns? Α I did not have an electronic copy of 3 that model to evaluate, so I was unable to evaluate that. 5 Q Turning over to the next page, page 7, in the paragraph after the footnote under Table 3, you state, "Importantly, the yield differences in Table 3 will be reduced if supplemental irrigation is available to the KBID farmers. I am unable to verify 10 if supplemental irrigation was available to these 11 producers." 12 Do I understand you to say, Doctor, that 13 you have not made any investigation of whether 14 supplemental groundwater irrigation is available to 15 KBID farmers? 16 That's correct. 17 If there is no significant supplemental 18 groundwater irrigation to the KBID surface water 19 land, is it inappropriate not to discuss that in the 20 Kansas report? 21 I'm not sure I understand that question. Α 22 Well, let me ask it a little 23 differently. 24 One inference that one could draw from 25

- 1 the Kansas report is that there is no significant
- 2 supplemental groundwater irrigation; isn't that
- 3 right?
- A I don't recall reading that in the
- 5 Kansas report, so I'm not sure.
- 6 Q At least at this point, you have made no
- 7 investigation that tells you that there is any
- 8 significant groundwater supplemental water available?
- 9 A That's correct, I have made no
- 10 investigation.
- 11 Q Looking under your heading of "Variable
- 12 Costs and Fixed Costs, " you indicate that -- on the
- 13 fourth line, you say "I have been unable to evaluate
- 14 the actual costs and calculations used in the EIA."
- The EIA is an acronym that you created
- 16 to stand for the "economic impact analysis" by the
- 17 Kansas experts; is that correct?
- 18 A That's correct.
- 19 Q And you go on to say, "As an
- 20 alternative, I have located crop profit center
- 21 analysis for the 2001-2005 average costs and the 2006
- 22 crop costs from the Kansas Farm Management
- 23 Association."
- Is that what you have there?
- 25 A That's correct.

- 1 Q Why did you choose 2001 through 2005
- 2 average costs, rather than the costs available for
- 3 2005 itself?
- 4 A The 2001-2005 average costs were those
- 5 available to me on the Internet at the Kansas State
- 6 University Ag Manager Info website.
- 7 O Aren't the 2005 data also available on
- 8 that same website?
- 9 A They may not have been available at that
- 10 time. I don't recall why I was unable to find those.
- 11 Q Over the period since 2001, haven't a
- 12 lot of costs been increasing over that period?
- 13 A I would be unable to report on that for
- 14 the area for Kansas.
- Q Well, if that were true, wouldn't it be
- 16 more appropriate to use the 2005 costs themselves?
- 17 A If available to me, I would use the 2005
- 18 costs.
- 19 Q I believe that you are referring there
- 20 to the -- as your source, the Northwest Kansas Farm
- 21 Management Association Profit Center Analysis:
- 5-Year Average and 2006; would that be correct?
- 23 A I don't have those documents in front of
- 24 me, but those sound correct.
- MR. DRAPER: Let me ask Mr. Speed --

Page 47 Sam, do you have a copy of a single-page document 1 without a heading? 2 MR. SPEED: Northwest Kansas Farm Management Association Profit Center Analysis: 4 5 5-Year Average? If you do, I would MR. DRAPER: Yes. like to ask that that be made an exhibit to the deposition. (Deposition Exhibit 3 was marked.) 9 (BY MR. DRAPER) Doctor, do you have a Q 10 copy of Exhibit 3? 11 12 I do. And is this the information that you 0 13 asked for your analysis? 14 I can't say for certain, but I believe 1.5 this is where it came from. 16 Did you investigate the assumptions on 17 which these values were prepared? 18 I have a general understanding of the 19 process used by the Farm Management Associations. 20 didn't investigate specifically how these were 21 prepared. 22 In particular, I would inquire whether 23 you are aware of whether shared expenses in crop 24 share arrangements are included or not? 25

Page 48 Α I can't answer that question at this 1 time. 2 3 Would the answer to that question make a 4 difference in how you do this? I'm not sure. I would have to study 5 that more. These values are for northwest Kansas; is that right? Α That's correct. And the area we are analyzing in this 10 11 case is not in northwest Kansas, is it? I don't believe it is within the Α 12 Northwest Kansas Farm Management Association. 13 In the center of this page, there is a Q 14 group of items under the heading "Expenses." Do you 15 see that? 16 17 Α Yes, I do. These are the costs of production for 18 northwest Kansas. Did you investigate whether these 19 costs were applicable to the KBID area? 20 No, I did not. I felt this was the 21 closest approximation to that. 22 If you cast your eye down under the list 23 of expenses about a little more than halfway, you 24 find "Irrigation Fuel - Pumping." Do you see that? 25

Page 49 I do see that expense. Ά 1 And if we go over to the third column of 2 numbers to the right, you see the figure 66.75? 3 I do see that. And that's under, the heading for that 0 5 column is dollars per acre. 6 That's correct. 7 And would that indicate that the 8 irrigation fuel - pumping expenses for this budget 9 are \$66.75 per acre? 10 Α That's correct. 11 Now, in the Kansas Bostwick Irrigation 12 District, assuming no groundwater pumping, takes all 13 of its water as surface water delivered through 14 project of which KBID is a part, what would the 15 irrigation fuel - pumping charges be per acre? 16 I'm unable to verify that because I 17 don't know if pumps are used to move the water in 18 KBID. 19 And if it was simple gravity flow, what 20 would be the irrigation fuel - pumping charges per 21 acre? 22 I can't verify that. 23 Α You wouldn't be able to figure what that 24 value would be? 25

- 1 A I would have to investigate it further
- 2 to determine what that value was.
- 3 Q What would you need to know?
- 4 A There would be a list of things that I
- 5 would want to include, but that might also include if
- 6 any pumps are used to put water into, say, a storage
- 7 pond and then pump through a center pivot irrigation;
- 8 I would want to know if any of those types of things
- 9 were used in the irrigation process.
- 10 Q And if there were no significant pumping
- 11 to storage ponds or to center pivots, what would the
- 12 value be in that column?
- 13 A That's difficult for me to answer
- 14 without actually being able to investigate it
- 15 further.
- 16 Q Under those assumptions, would there be
- 17 any item that would raise that amount above zero?
- 18 A Again, I would want to investigate that.
- 19 There is a variety of the hybrid sorts of irrigation
- 20 systems that are used in Colorado that involve
- 21 pumping from ditches, that involve pumping from
- 22 storage ponds, that involve moving water from one
- 23 location to another, all of which use energy inputs
- 24 that would represent a cost.
- Likewise, if there is a substitution

- 1 between labor in which ditches are set, dikes are
- 2 set, tubes are set, there is substitution between the
- 3 energy cost and the labor cost, in which case I would
- 4 want to make an adjustment for that.
- 5 Q If you were to find that there was
- 6 pumping from ponds to the fields or from a ditch to
- 7 the fields, those would involve pumping lifts of
- 8 several feet, something in that range, wouldn't they?
- 9 A I'm not an irrigation -- an agriculture
- 10 engineer specializing in irrigation, so I can't
- 11 really comment on that.
- 12 Q Well, if we assume for a minute that it
- was just a few feet, let's say a maximum of 5 feet of
- 14 lift that was needed for such surface water
- 15 adjustments, as you mentioned, that would be
- 16 significantly less than the pumping lift needed to
- 17 bring water up from a well; isn't that right?
- 18 A I'm sorry, but that's not my area of
- 19 expertise, so I can't comment on that.
- 20 Q Wouldn't that make a difference in the
- 21 numbers that you are using in this expert analysis?
- 22 A I'm sorry, since I'm not an expert in
- 23 that area, I can't really comment on that.
- 24 Q Do you know whether such matters need to
- 25 be investigated in order for you to finalize your

- 1 opinions on the exact numbers in this case?
- 2 A I think that additional information
- 3 would be useful, but I don't know how that
- 4 information might influence what my estimates are or
- 5 those of the Kansas experts.
- 6 Q Where in northwest Kansas would these
- 7 figures -- do you know what the source of water is in
- 8 northwest Kansas? Do --
- 9 A I'm not an expert -- I'm sorry.
- 10 Q I'm sorry, I interrupted you. Let me
- 11 finish my additional part so that my question is
- 12 clear.
- Do you know what the source of
- 14 irrigation water is in northwest Kansas?
- 15 A Not comprehensively, no.
- 16 O Do you know at all?
- 17 A I believe there to be some center pivot
- 18 irrigation in northwest Kansas. I don't know of the
- 19 amount of surface irrigation that takes place in
- 20 northwest Kansas.
- 21 Q If there were a large difference between
- 22 northwest Kansas and the KBID Irrigation District
- 23 with respect to the reliance on groundwater wells,
- 24 would that make a difference in the irrigation fuel -
- 25 pumping costs?

- 1 A I'm not an expert in that area.
- Q Are you an expert in whether it's
- 3 appropriate to use the Northwest Kansas Farm
- 4 Management Association expenses to value the costs in
- 5 the KBID project?
- 6 A I cannot say that the northwest Kansas
- 7 costs are the same as those in the KBID project. I
- 8 found, within the timeframe that I had, these were
- 9 the costs that would serve as the best proxy for that
- 10 area.
- 11 Q When did you start your analysis for
- 12 purposes of your report in this case?
- 13 A I'm uncertain. I think Mr. Ampe might
- 14 know specifically. I believe there were about three
- 15 weeks in between the time that I began the analysis
- 16 and I turned in the report.
- 17 Q If we could turn in your report to page
- 18 9, I would like to direct your attention to Table 5.
- 19 What does Table 5 show?
- 20 A It summarizes for the area that is below
- 21 Lovewell, the total revenue per acre under full
- 22 irrigation, total revenue per acre under actual
- 23 irrigation and total costs to summarize potential
- 24 forgone profits for the crops of alfalfa, corn, milo
- 25 and soybeans.

Page 54 1 0 All of the values here are dollars values per acre? 2 They are until we get to the row that 3 Α says, "Forgone Profit Per Acre," the next row 4 is "Crop Acres," and after that row is "Total Forgone 5 Profit by Crop." So that would be dollars, rather 6 than dollars per acre. 7 If I understand correctly, the top part 8 of Table 5 relates to the year 2005 and the bottom 9 part relates to the year 2006? 10 That's correct. 11 Α I would like to work through an example Q 12 with you to make sure we understand how you did your 13 analysis here. 14 The last row on my page -- I think it's 15 going to be the same for you -- page 9, is the second 16 line under 2006, which is identified as Total Revenue 17 (Actual Irrigation)? 18 That's correct. 19 0 And if we read to the right across, we 20 have the four crops that you mentioned, the values 21 for them? 22 That is correct. Α 23 And that is a dollar value per acre; is 24 0

25

that right.

Page 55 That's correct. 1 0 If we look, as an example at corn, we 2 see a value of \$394.31? 3 That's correct. Α How did you derive that value? 5 Q I would need to look through my notes to Α 6 make certain that I'm correct; but, in general, I 7 would say that this uses a yield assumption 8 multiplied by a National Agricultural Statistic 9 Service price to generate total revenues. 10 And would the price -- or the yield, I 0 11 think you mentioned first, would that be found on 12 Table 1 on page 4 of your report? 13 Table 1 has crop prices associated with 14 So I don't think that's Table 1 that would have 15 it. the yields. 16 I see. Okay. 17 Now, price is part of what is needed for 18 total revenue per acre? 19 That's correct. Α 20 So the price that would be is the price 21 that you would use here in Table 1? 22 Α Yes. 23 Would it be the 2006 price for corn 0 24 under the Alternative Analysis? 25

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Page 56
                  That's correct.
              Α
 1
                  And would that be $2.62?
 2
              0
                  That's correct.
 3
              Α
                  And that $2.62 needs to be multiplied
              0
     times the yield; is that right?
 5
                  That's correct, in order to generate
              Α
 6
     total revenues.
 7
                  And is the yield that would be
 8
     applicable here, is that -- does that appear on --
 9
                   I'm sorry, could you repeat that.
10
     cut out.
11
12
              0
                  I'm sorry.
                  Does the yield that would be relevant,
13
     does that appear on Table 3 in your report on page 7?
14
                   I believe it does. I would need to
              Α
15
     check my notes, but I believe that is where I
16
     referenced the yield.
17
                   Turning to that page, that Table 3 is
18
     yield losses using the IPYsim yield forecasts from
19
     Table 10 of the BIA. And it has a top section for
20
     2005 and a lower section for 2006?
21
                   That's correct.
              Α
22
                   And in the 2006 portion of the table,
               Q
23
     it's divided two into parts. One above Lovewell and
24
     one below Lovewell; is that right?
25
```

```
Page 57
              Α
                  That's correct.
 1
                  Since, in Table 5, we are looking at
 2
     foregone profits below Lovewell, we would look at the
 3
     lower part of the 2006 figures in Table 3?
                  Below Lovewell?
 5
              Α
              0
                  Yes.
 6
                  Yes, that's correct.
 7
              Α
                   The second line there you identified
              0
 8
     actual irrigation in bushels?
 9
              Ά
                  That's correct.
10
                   I quess it's bushels per acre?
11
              0
                   Correct.
12
              Α
                   If we look at the column, you have got
13
     the four crops there, but the first one is corn and
14
     showing 142.6 bushels per acre; is that right?
15
                   That's correct.
              Α
16
                   So if we take a product of the price of
17
     $2.62 and the yield of 142.6 bushels per acre, should
18
     we get the $394.31 that you show in Table 5?
19
                   I believe so, but I would need to check
              Α
20
     my notes.
21
                   I was just doing it with my calculator
              Q
22
     as we lined out those numbers. If I'm doing it
23
     correctly, I calculate $373.61.
24
                   I understand it's not practical for you
25
```

Page 58 to check that right at this moment? 1 That's correct. 2 Д 0 Could you check that and let us know, 3 through your counsel, whether my value of \$373.61 is correct for that particular item, which I will 5 mention, to be clear, it's for corn; it's shown in 6 Table 5, for corn in 2006, that the total revenue for actual irrigation in dollars per acre. It's right at the bottom of page 9 of your report. Would that be possible? 10 11 Α Yes. Q Thank you. 12 But as far as you can tell, I have gone 13 through the right motions, as far as you can tell, 14 just following from the report? 15 That's correct. Α 16 And if there were a difference in that 17 18 value, would it affect the bottom-line value that you determined? 19 I would need to investigate it, but 20 certainly that would be something I would want to 21 investigate. 22 Well, it might affect your bottom-line 23 values? 24 25 Α Potentially.

- 1 Q Turning to the next page, page 10, here
- 2 you have in the center of the page, there is a
- 3 heading, "Profits Above Lovewell."
- 4 What generally was this -- was the
- 5 analysis that you performed that is reported in this
- 6 section?
- 7 A I believe that one of the areas of
- 8 interest for the Kansas expert report is forgone
- 9 profits for lands above Lovewell that were not
- 10 irrigated and were planted instead to nonirrigated
- 11 crops.
- 12 And so my attempt was to see how -- what
- 13 -- how those economic loses were derived and under
- 14 alternative assumptions, what those economic losses
- 15 might be.
- 16 Q Do the Northwest Kansas Farm Management
- 17 Association costs, do they figure in this analysis?
- 18 A I would need to check my notes, but I
- 19 believe that in some cases they would.
- 20 Q What was your overall conclusion in this
- 21 section with respect to profits above Lovewell?
- 22 A The -- my conclusion was that for
- 23 particular crops, the profits per acre were actually
- 24 negative if they had been planted above Lovewell and
- 25 that some were positive. And the net effect, the

Page 60 difference between irrigated and nonirrigated profit 1 was actually negative. 2 And what did that tell you? 3 0 I'm not sure I understand that question. What would be the implication of a 5 negative value in Lovewell? 6 That irrigated cropping, on balance, was not profitable in that area under the assumptions of 8 this analysis. Do you know whether irrigated 10 agriculture for the crops that showed up with 11 negative values have actually been occurring in the 12 area above Lovewell Reservoir? 13 I'm not aware of that. Α 14 Why did you pick those crops to analyze 0 15 that, then, if you didn't know whether they were 16 above Lovewell or not? 17 I believe your question previously was, 18 did I understand if there were -- those crops were 19 negative -- negatively profitable? Is that -- I'm 20 not sure of the specific question, but I thought you 21 were addressing profitability. 22 I'm sorry, let me just try to Okay. 23 0

Are you aware -- let's see, if I'm

make my question clear.

24

25

- 1 looking at Table 6, I see certain values that are
- 2 negative in the row that is identified as Total
- 3 Profit By Crops. I see corn is negative, milo is
- 4 negative, sunflowers are negative and ensilage is
- 5 negative.
- Do you know whether those crops have
- 7 actually been grown under irrigation in the area
- 8 above Lovewell historically?
- 9 A I do not have a crop survey that would
- 10 tell me that those crops were grown.
- 11 Q Why did you analyze those?
- 12 A I was responding to the report that came
- 13 from the Kansas experts that listed the crops that
- 14 were produced in that area.
- 15 Q And when you obtained negative numbers,
- 16 did that make you question whether irrigation should
- 17 ever occur for those crops in the area above
- 18 Lovewell?
- 19 A I can't infer that. No, I can't infer
- 20 that.
- 21 Q It makes sense for a farmer to undertake
- 22 the irrigation of crops under the assumptions that
- 23 you have used in your analysis?
- 24 A I'm aware of farmers who grow crops
- 25 expecting them to be profitable but do not yield

- 1 those profits at the end of the season.
- Q Is it appropriate to conclude, then,
- 3 from these figures that are negative, that your
- 4 analysis showed that it would not have been
- 5 profitable to irrigate those crops in 2005?
- 6 A Under the assumptions of my analysis,
- 7 those crops did not generate positive returns.
- 8 Q And so if irrigation water were denied
- 9 those crops by Nebraska, Nebraska would actually have
- 10 been doing Kansas a favor in this regard; is that
- 11 right?
- 12 A I'm not sure that is exactly what I
- 13 would conclude.
- 14 Q You have two parts to Table 6. The
- whole table is entitled "Profit Difference of
- 16 Irrigated Crop Production and Nonirrigated Production
- 17 Above Lovewell 2005."
- And you have, say, five rows of figures
- 19 and so on. Then below that, which actually appears
- 20 at the top of page 11, you have a section of the
- 21 table entitled "Forgone Irrigated Crop Productions."
- 22 Could you explain to me what the
- 23 relationship -- what you are doing in those two parts
- 24 of Table 6?
- 25 A Certainly. I think that the farmers who

- 1 would be above Lovewell would be able to plant
- 2 dryland crops and generate net returns from those
- 3 dryland crops and they might be able to plant
- 4 irrigated crops and generate net returns from those
- 5 irrigated crops.
- 6 If they were to receive water
- 7 deliveries, they might choose to produce the dryland
- 8 rather than the irrigated. And so in that table, I'm
- 9 trying to calculate what the difference is between
- 10 irrigated cropping and nonirrigated cropping.
- 11 Q Which is the irrigated and which is the
- 12 nonirrigated?
- 13 A The bottom half of the table is the
- 14 foregone crop production; the nonirrigated production
- 15 is the production that is above.
- 16 Q Let's see. The top part is
- 17 nonirrigated. I just wanted to understand your
- 18 terminology.
- 19 Are these acreages that normally would
- 20 receive surface water but, because of the shortage,
- 21 did not?
- 22 A I believe that's what I was responding
- 23 to in the Kansas experts' report; that there was a
- 24 set of acres that were fallowed, and these acres
- 25 represent those fallowed acres.

- 1 Q And then the acres that you are talking
- 2 about in the second half of your table, which acres
- 3 are those?
- A I believe those would be similar; that
- 5 they would be referencing acres that were fallowed
- 6 that might have been -- actually, the term "fallowed"
- 7 may not make sense in this case. These would have
- 8 been irrigated crop acres related to those that had
- 9 been -- had been shifted to nonirrigated crop use.
- 10 Q Now, are the two crop mix, what are
- 11 they? Are they the same acres or are they different
- 12 acres?
- 13 A The crop mix may be different between
- 14 the two, the two reported acres. So corn in the
- 15 upper part of Table 6, the acres allocated to that
- 16 would be different than those that are allocated to
- 17 corn on an irrigated basis.
- 18 Q It's the same total acres, but it's
- 19 distributed differently in the two parts of the
- 20 table?
- 21 A It's certainly distributed differently.
- 22 I would need to check my notes or add up to make sure
- 23 that the acres are the same.
- Q Should they be the same?
- 25 A Yes.

- 1 Q Okay. So we are talking about the same
- 2 acreage, but under two different analyses; is that
- 3 right?
- A The same acreage, whether it be
- 5 irrigated, chosen for irrigated crop production, or
- 6 acres chosen for nonirrigated crop production.
- 7 Q Is there a difference between
- 8 nonirrigated crops and foregone irrigated crop
- 9 production? I'm sorry, just -- if you could help me
- 10 for a second, I just can't understand what the
- 11 differences are.
- 12 A Forgone irrigated would be those acres
- 13 planted to irrigated crops. The nonirrigated would
- 14 be those crops that would not receive irrigation.
- 15 Q Okay. So in the year in question, then,
- 16 I guess it's 2005, the upper part of the table would
- 17 be analysis for acreages that used -- in other years
- 18 might have been irrigated, but in this -- in 2005
- 19 received no surface water irrigation?
- 20 A Correct.
- 21 Q The second part of the graph -- of the
- 22 table would analyze acreages for the effect of
- 23 receiving less irrigation --
- 24 THE COURT REPORTER: Mr. Draper, would
- you repeat that? It blanked out and I didn't get the

- 1 last part.
- Q (BY MR. DRAPER) The second part of
- 3 Table 6, which show your analysis for acreage that
- 4 received less irrigation water, but still some
- 5 irrigation water in 2005; is that right?
- A I believe that to be the case.
- 7 O At the bottom of the table in the first
- 8 column with numbers in it, the last two lines show
- 9 negative numbers. Could you explain what those
- 10 represent?
- 11 A The first in the upper line, the Total
- 12 Potential Irrigated Profits represents -- under the
- 13 assumptions that I have used in the analysis,
- 14 represents negative profits to the balance of crops
- 15 that might have been irrigated above Lovewell.
- 16 The second line examines the profits
- 17 under a scenario under my assumptions in which
- 18 nonirrigated crops were produced from the upper half
- 19 of the table and the difference between that and what
- 20 the irrigated profits were.
- 21 Q And the fact that your final number was
- 22 negative, what did that tell you for purpose of your
- 23 analysis?
- 24 A It implies that on the assumptions I
- 25 have made, nonirrigated crop production would have

- 1 been more profitable than irrigated crop production.
- Q How did you use that number in your
- 3 analysis?
- 4 A The -- when assessing the economic
- 5 losses associated with insufficient water delivered
- 6 above Lovewell, I found that nonirrigated crop
- 7 production was more profitable than irrigated crop
- 8 production. For that reason, I made the economic
- 9 loss zero.
- 10 Q And why would that be set at zero?
- 11 A In that case, I felt that no economic
- 12 loss was found in that area, under those assumptions.
- 13 Q Was another implication of your negative
- 14 number that it was actually a benefit to Kansas of
- 15 not receiving irrigated water?
- 16 A I'm not sure that I could comment on the
- 17 benefit to Kansas; but for farms that produced
- 18 nonirrigated crops, under these assumptions, they
- 19 were more profitable than those that produced
- 20 irrigated crops.
- 21 Q You didn't actually use your negative
- \$372,173.18 in your ultimate analysis; is that
- 23 correct?
- 24 A No, I did not.
- Q Now, in Table 7, which starts at the

Page 68 bottom of that page, you indicate that is profit 1 difference of irrigated crop production and 2 nonirrigated crop production above Lovewell (2005). Is Table 7 a table that applies to analysis for the year 2005? There is a typographical error in the Α 6 title. It applies to 2006. 7 Okay. So this -- that should be 8 changed? 9 Correct. 10 А Looking at the second line of Table 7, 0 11 you have total costs for the various crops; is that 12 right? 13 Α That's correct. 14 Those values are dollars per acre? 0 15 That's correct. 16 Just looking at -- it's a little offset 17 on my printout, but I believe the corn value showed 18 as \$215.86? 19 That's correct. Д 20 And turn back two pages, would you, to 21 page 10. At the bottom of that page, which is the 22 same table only for the year 2005, if we look at that 23 item Total Costs for corn, do you see a value of 24

25

\$215.86?

Page 69 1 Α That's correct. Should those numbers be the same? 2 0 Α Correct. 3 So the cost of corn production in 2006 Q were exactly the same to the penny as cost of 5 production in 2005? 6 I would need to investigate my notes to А determine if those are actually the same costs or 8 The cost information comes from those Farm Management reports that we spoke of earlier, and I 10 would want to verify that. 11 Okay. Looking back at Exhibit 3 to the Q 12 deposition, which is Northwest Kansas Farm Management 13 Association budget, if I may -- it's a single-sheet 14 This has the values per -- average value 15 for 2001 through 2005, and that's what you actually 16 used for 2005; is that right? 17 This is irrigated crop production, the 18 copy that I have, and we are referring to 19 nonirrigated crop production in that table. 20 That part of the table is on Okay. Q 21 nonirrigated, the lower part of each of these tables 22 would be the irrigated part; is that right? 23 Α That's right. 24 Okay. So that value of \$215.68 for 25 Q

- 1 total cost for corn is the same for 2005, as you have
- 2 listed, I think you said you used an average; but
- 3 your value for 2005 is exactly the same for corn as
- 4 the value you have for corn in 2006, correct?
- 5 A The Table 6 and Table 7 use the same
- 6 cost production for the nonirrigated crops.
- 7 Q And that's true of all of the crops?
- 8 A That's correct.
- 9 Q And is it your understanding that that
- 10 is the way it should be handled?
- 11 A I'm not sure -- I'm not sure what your
- 12 question means.
- 13 Q Whether the -- for each of these crops,
- 14 the nonirrigated costs for each of the crops should
- 15 be the same for 2005 and 2006?
- 16 A I would like to review the information
- 17 and determine if they should be the same.
- 18 Q Once you have determined that, could you
- 19 convey that information to your counsel?
- MR. DRAPER: And, Pete, could you let us
- 21 know what the conclusion is on that?
- MR. AMPE: I will do so.
- MR. DRAPER: Thank you very much.
- MR. AMPE: By my watch, it's a quarter
- 25 to 5:00. I'm not sure if you want to take another

Page 71 break or just go straight through to 5:00. 1 MR. BLANKENAU: That is a helpful point 2 because we do want the finish by 5:00. Yeah, we 3 might take a five-minute break here and finish up by 5:00. 5 MR. AMPE: We will vacate the room 6 7 again. Thank you. MR. BLANKENAU: (Break was taken.) 9 (BY MR. DRAPER) Doctor, just a few 10 final questions. 11 Turning to page 13 of your report, you 12 have there your analysis of the indirect impact of 13 forgone household income, correct? 14 That's correct. Α 15 And for purposes of this part of your 0 16 analysis, you used the same multiplier that the 17 Kansas experts did for this purpose? 18 I did. Α 19 On the next page you, under the heading 20 of "Interest Expense," you draw a distinction as to 21 which element of the direct and indirect expenses 22 23 should be subject to interest. What was your conclusion -- what were 24 your conclusions in that regard? 25

- 1 A I think in this section, I'm
- 2 specifically referring to the interest rate that is
- 3 used to compound.
- In my opinion, the interest rate
- 5 represents an opportunity cost of forgone opportunity
- for farms to use those funds elsewhere, if they did
- 7 not receive them.
- In my opinion, the forgone profits would
- 9 likely be used to either retire debts or to reinvest
- 10 back in the operation. The debt is of a specific
- 11 type, meaning term debt, so that debt that extends
- 12 beyond -- beyond one year and so the interest rates
- 13 that I used reflected the Federal Reserves Tenth
- 14 District's interest expense -- or interest rates on
- 15 that term debt.
- 16 Q Just thinking about the aspect of the
- 17 indirect impacts. Do the indirect impacts, do they
- 18 represent actual losses to businesses and
- 19 individuals?
- 20 A Yes. The indirect effects are those
- 21 effects that are forgone opportunities to provide
- 22 inputs and services to farmers.
- Q And that income that did not appear, it
- 24 could have been invested or put in the bank, just
- 25 like direct losses, couldn't it?

- 1 A I don't necessarily believe that to be
- 2 true.
- 3 The indirect effects would be sales, not
- 4 necessarily profits. And so I think we think of
- 5 profits as being something that we can reinvest and
- 6 it would be difficult for me to say how much of that
- 7 would be profits back to businesses.
- 8 O To the extent that it was reduced
- 9 profits of third parties, would that be appropriate
- 10 to apply interest to those profits?
- 11 A Profits could be reinvested either into
- 12 the business or used to retire term debt, yes.
- MR. DRAPER: Well, it's 2 minutes of
- 14 5:00, by my clock. I think this is a good place to
- 15 leave it, for my part, anyway. I thank you very
- 16 much.
- Other attorneys may have questions, but
- 18 I appreciate your help and participation this
- 19 afternoon, Doctor.
- THE DEPONENT: Thank you.
- MR. BLANKENAU: We just have an hour or
- 22 so to go over some questions.
- Just kidding. We don't have any
- 24 questions.
- 25 MR. AMPE: I just have one follow-up

```
Page 74
     question.
 1
                  Doctor, are you aware what the crop
 2
     irrigation requirement of the Afghanistan poppy would
 3
     be?
                   (Laughter throughout at this point.)
 5
                  MR. BLANKENAU: Dude?
 6
                  MR. DRAPER: Pete, I'm envious that the
 7
     idea of such a question wasn't formulated and
 8
     articulated with the grace you did.
 9
                  MR. AMPE: It's just something I have
10
     always wondered about, if they have to irrigate those
11
12
     or not.
                   I don't have any other questions.
13
                                I guess that should do it.
14
                  MR. DRAPER:
                   Thank you very much, Doctor.
15
                   (WHEREUPON, the deposition concluded at
16
     5:00 p.m.)
17
18
19
20
21
22
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24
25
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| | | Page | 75 |
|----|--|------|----|
| 1 | I, JAMES PRITCHETT, do hereby certify | | |
| 2 | that I have read the foregoing transcript and that | | |
| 3 | the same and accompanying correction sheets, if any, | | |
| 4 | constitute a true and complete record of my | | |
| 5 | testimony. | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | () No changes () Amendments attached | | |
| 12 | Subscribed and sworn to before me this | | |
| 13 | day of, | | |
| 14 | 2009. | | |
| 15 | My commission expires | | |
| 16 | | | |
| 17 | Notary Public | | |
| 18 | | | |
| 19 | ср | | |
| 20 | DEDUCT TO DIVIDE COMPACE ADMINITCEDATION | | |
| 21 | REPUBLIC RIVER COMPACT ADMINISTRATION | | |
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Page 76 STATE OF COLORADO) 1 ss. REPORTER'S CERTIFICATE COUNTY OF DENVER) 2 I, Carol Patterson, do hereby certify 3 that I am a Registered Merit Reporter and 4 Notary Public within the state of Colorado; that 5 previous to the commencement of the examination, 6 the deponent was duly sworn by me to testify to the 7 truth. 8 I further certify that this deposition was 9 taken in shorthand by me at the time and place 10 herein set forth and was thereafter reduced to 11 typewritten form, and that the foregoing constitutes 12 a true and correct transcript. 13 I further certify that I am not related to, 14 employed by, nor of counsel for any of the parties 15 or attorneys herein, nor otherwise interested in the 16 result of the within action. 17 In witness whereof, I have affixed my 18 signature this 4th day of March, 2009. 19 20 21 PATTERSON REPORTING & VIDEO 22 Carol Patterson Registered Merit Reporter 23 and Notary Public 24 25

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Page 77
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 4
     PETER J. AMPE, ESQ.
 5
     Office of the Attorney General
     First Assistant Attorney General
     1525 Sherman Street, 7th Floor
    Denver, Colorado 80203
 7
     Caption: REPUBLIC RIVER COMPACT ADMINISTRATION
 8
     Case No.: Supreme Court 126
     DEPOSITION OF: JAMES PRITCHETT
 9
     Dear Mr. Ampe:
10
     The deposition in the above-entitled matter is ready
11
     for reading and signing. Please attend to this
     matter by complying with ALL blanks checked below.
12
     XX arranging with us at (303) 696-7680 to read.
13
          and sign the deposition in our office.
14
          OR (if applicable),
15
     XX have deponent read your copy; signing attached
          original signature page and any amendments
16
          sheets.
17
          read enclosed deposition, sign attached
          signature page and any amendment sheets.
18
     _{
m XX}_{
m by} March 6, 2009, due to trial date of 3/9/09
19
     Please be sure that the signature page and
20
     accompanying amendment sheets, if any, are signed
     before a notary public and returned to our office at
21
     the above address.
22
     If this matter has not been taken care of within said
     period of time, the deposition will be filed unsigned
23
     pursuant to the Rules of Civil Procedure.
24
     Thank you.
     Enclosures: Don Blankenau, Esq.; John B. Draper, Esq.
25
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| | | Page | 78 |
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| 6 | Montgomery & Andrews 325 Paseo de Peralta | | |
| 7 | Santa Fe, New Mexico 87501 | | |
| 8 | Caption: REPUBLIC RIVER COMPACT ADMINISTRATION | | |
| 9 | Case No.: Supreme Court 126 | | |
| 10 | Enclosed is the deposition of: JAMES PRITCHETT | | |
| 11 | Previously filed. Forwarding signature page and amendment sheet(s). | | |
| 12 | | | |
| 13 | Signed, no changes. | | |
| 14 | Signed, with changes, copy of which is enclosed. | | |
| 15 | No signature required. | | |
| | Signature waived. | | |
| 16 | | | |
| 17 | _XX_Forwarding original transcript unsigned; signature page and/or amendments will be | | |
| 18 | forwarded if received. | | |
| 19 | Original exhibits included in ongoing notebook and will be filed with counsel at conclusion of | | |
| 20 | discovery. | | |
| 21 | Enclosures: (As above noted) | | |
| 22 | cc: Peter J. Ampe, Esq; Don Blankenau, Esq. | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |